

FIG. 1

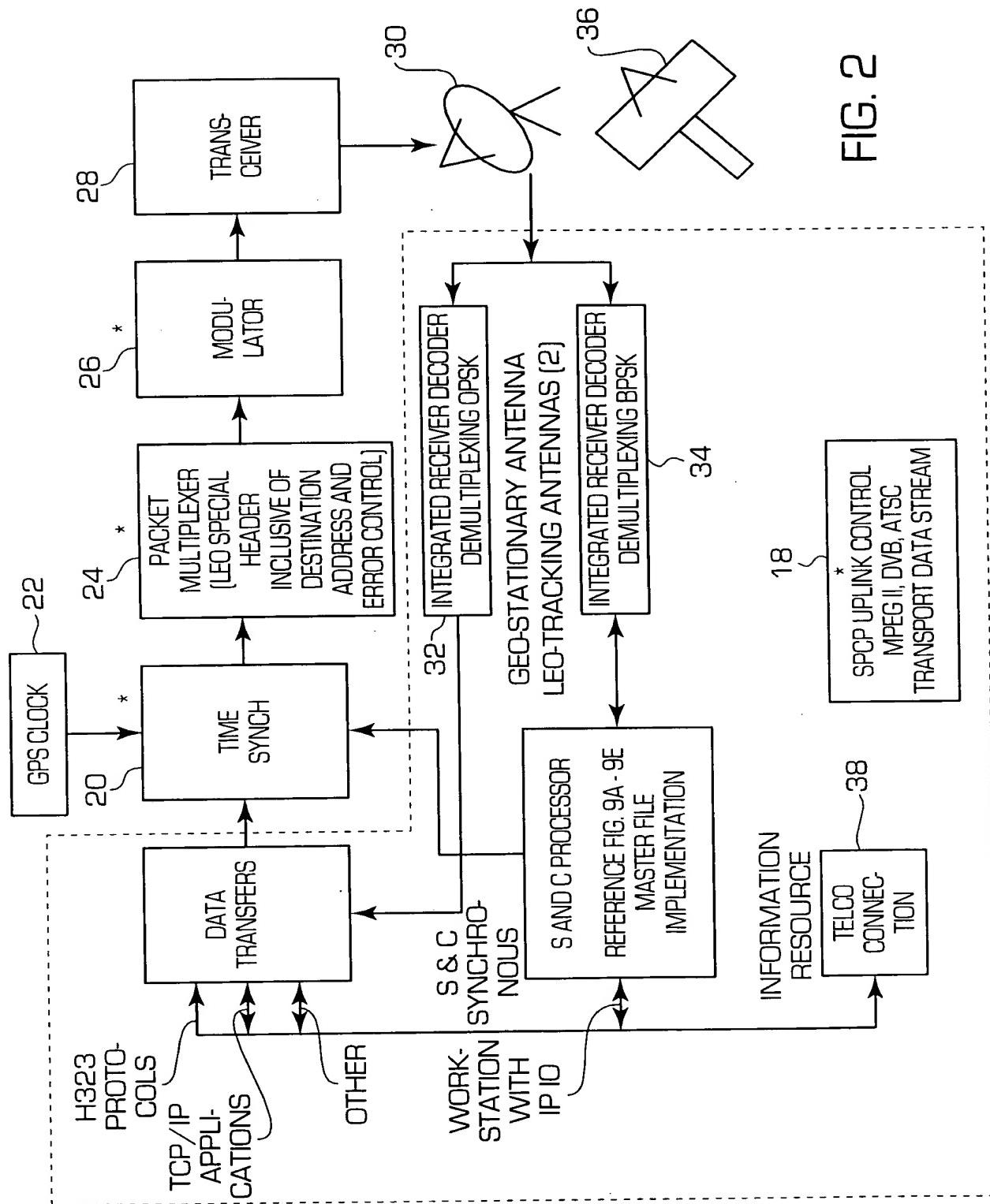
Divisional of Application No:

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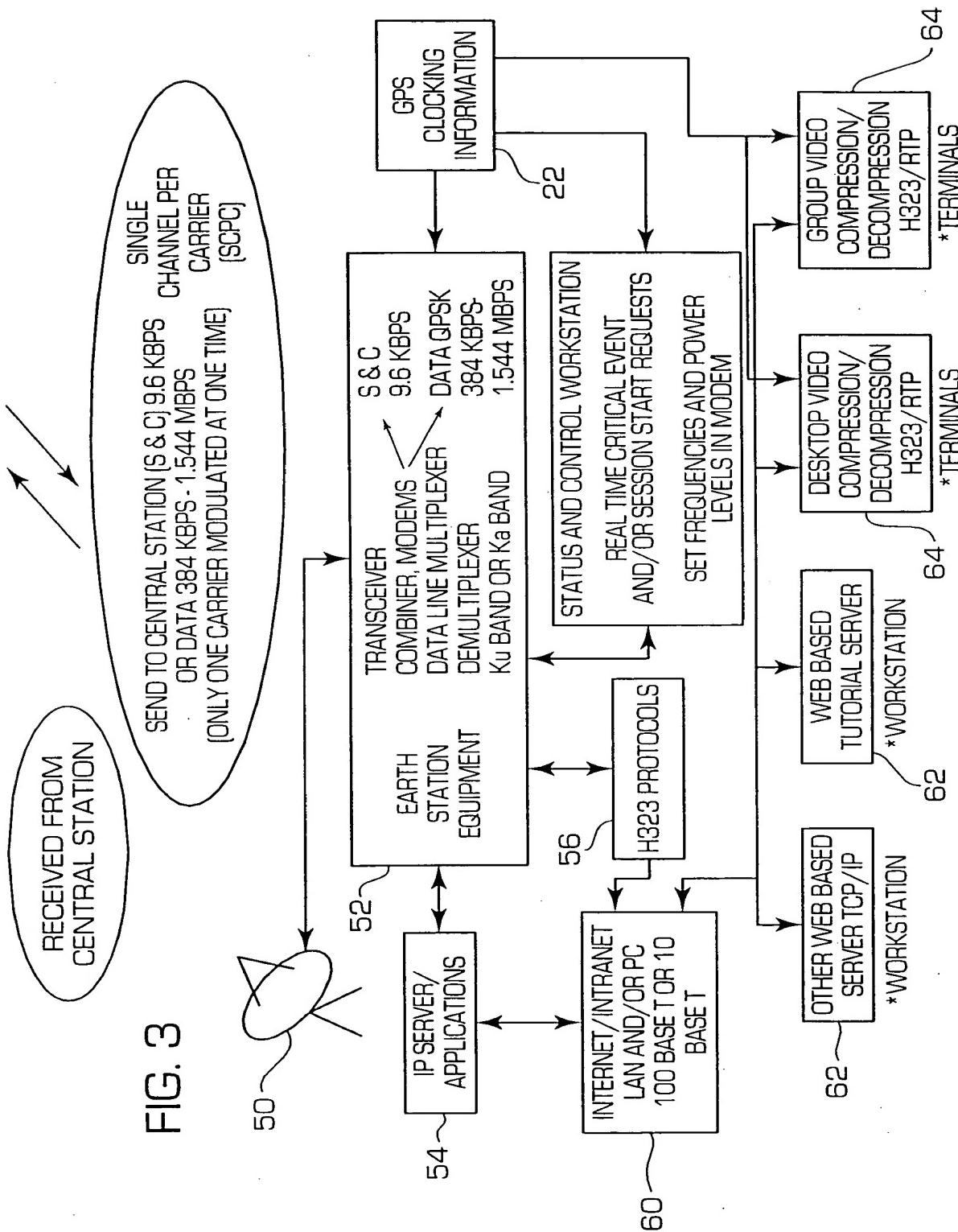
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*NOTE: REFER TO EXAMPLE FIG. 9 THE NUMBER OF WORKSTATIONS AND TERMINALS ARE LIMITED TO QTY. 10 AT 384 KBPS, QTY 5 AT 786 KBPS, QTY. 2 AT 1.544 M/BITS. THE ACTUAL NUMBER CAN BE GREATER DEPENDING ON THE IMPLEMENTATION SIZE OF THE FILE DEFINITIONS.

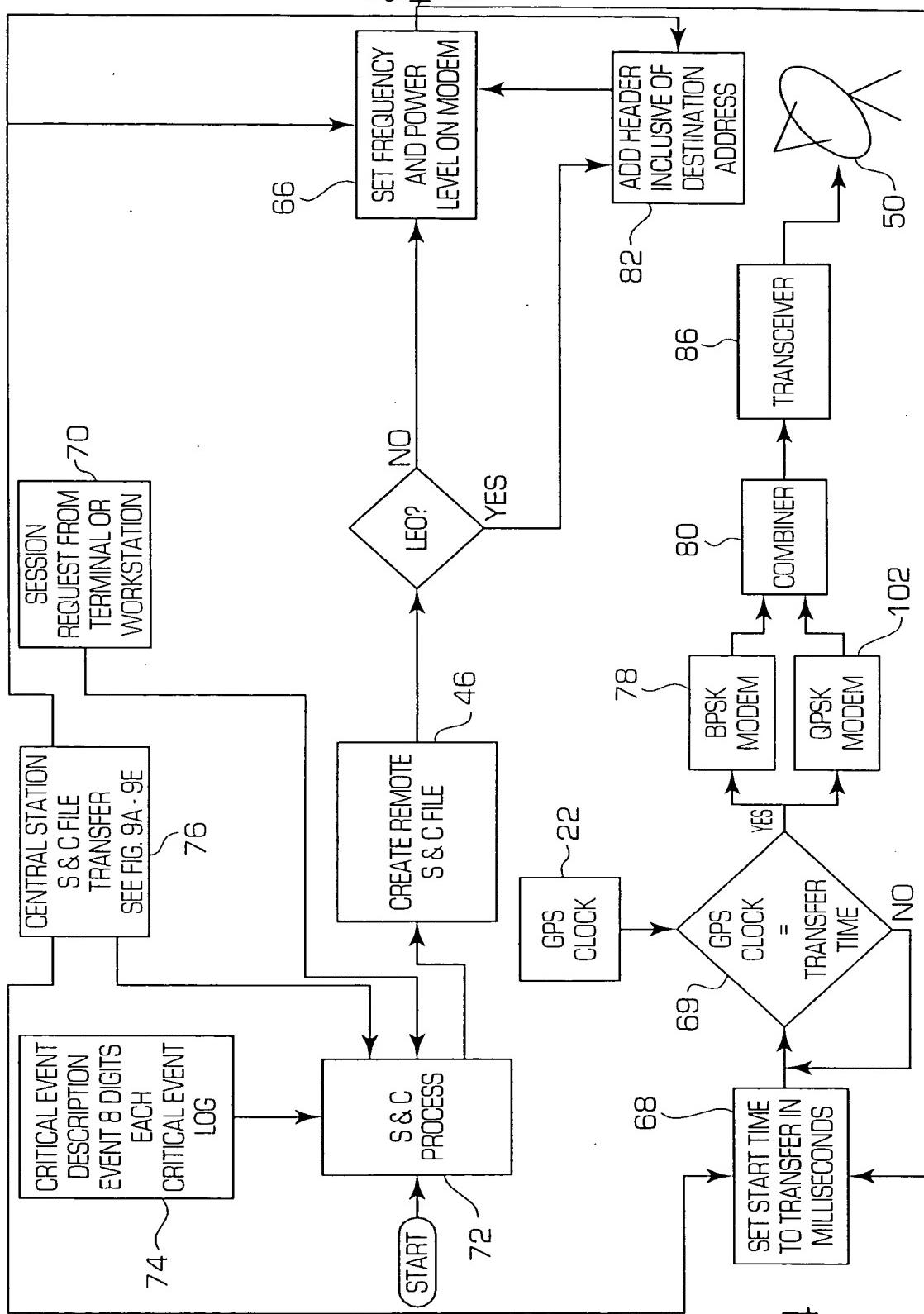


FIG. 4

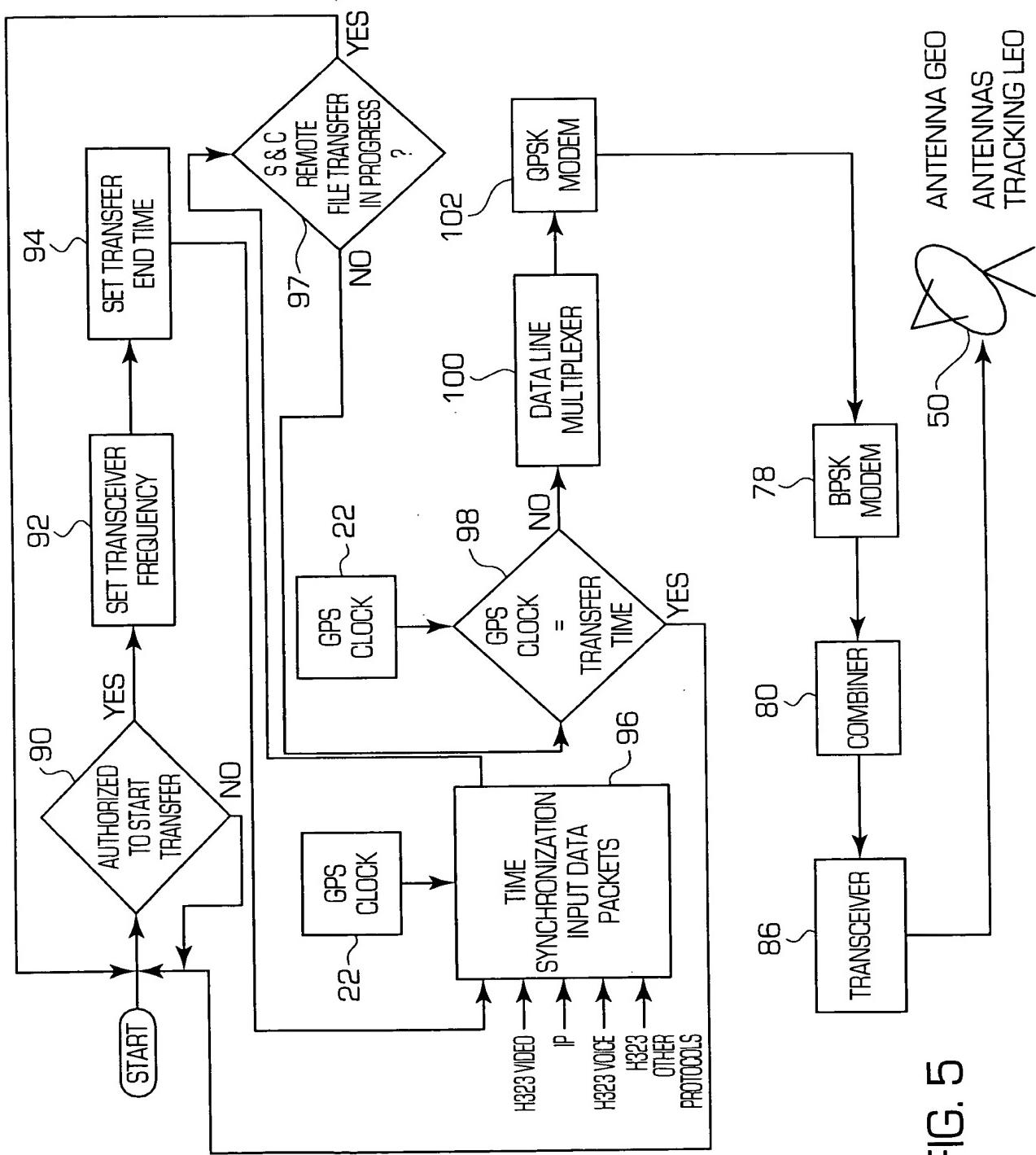
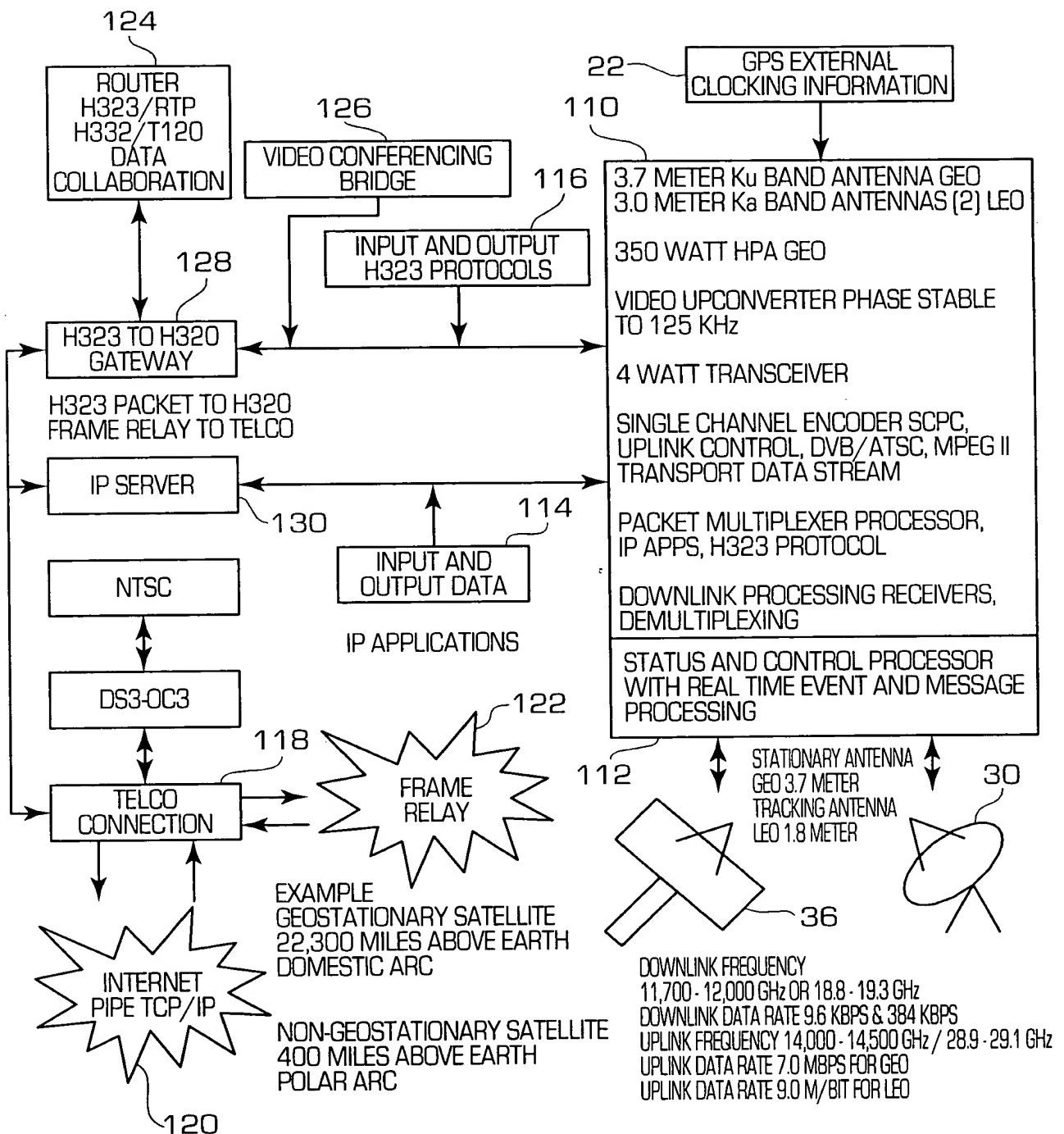


FIG. 5

FIG. 6



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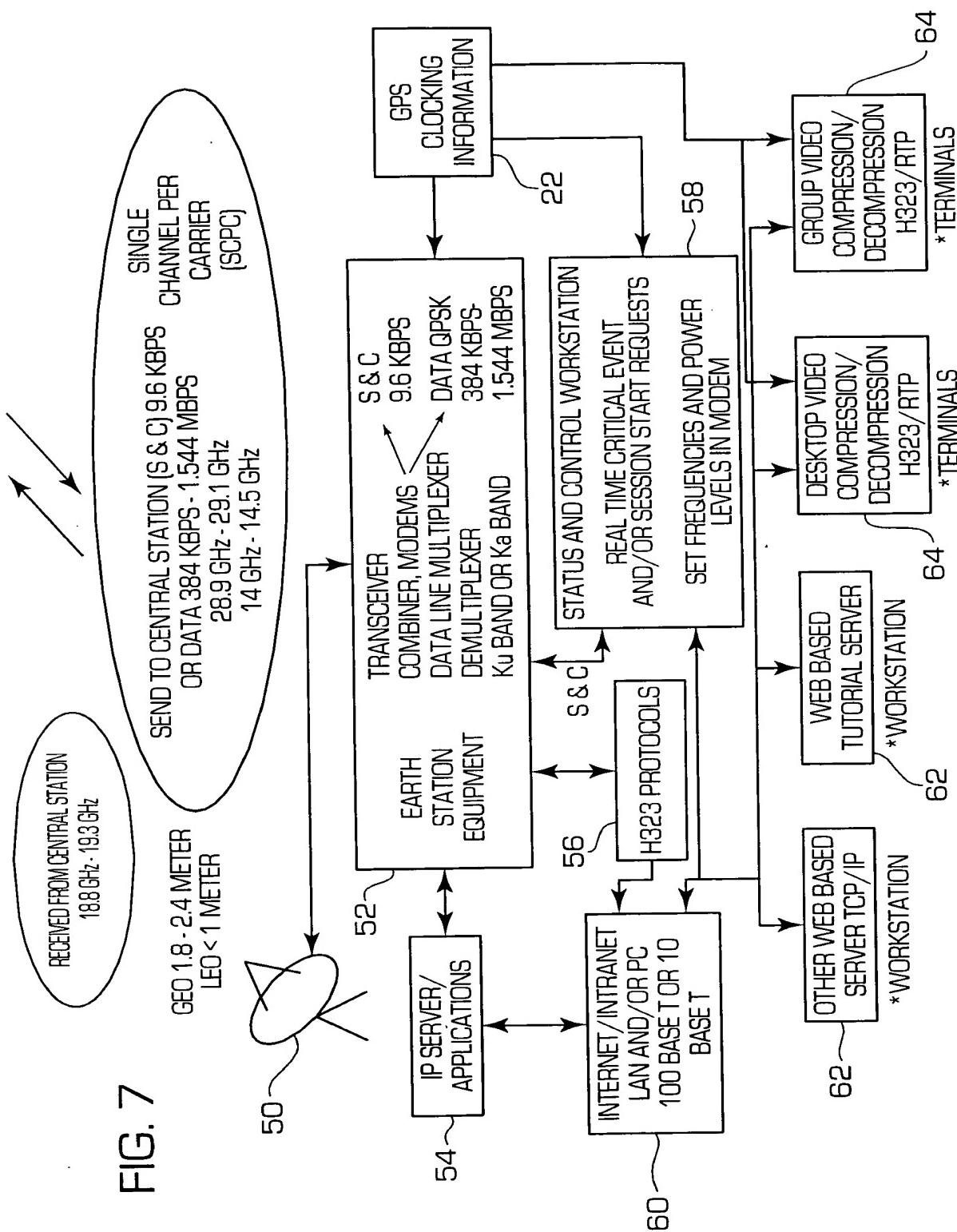
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FIG. 7



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FIG. 8A

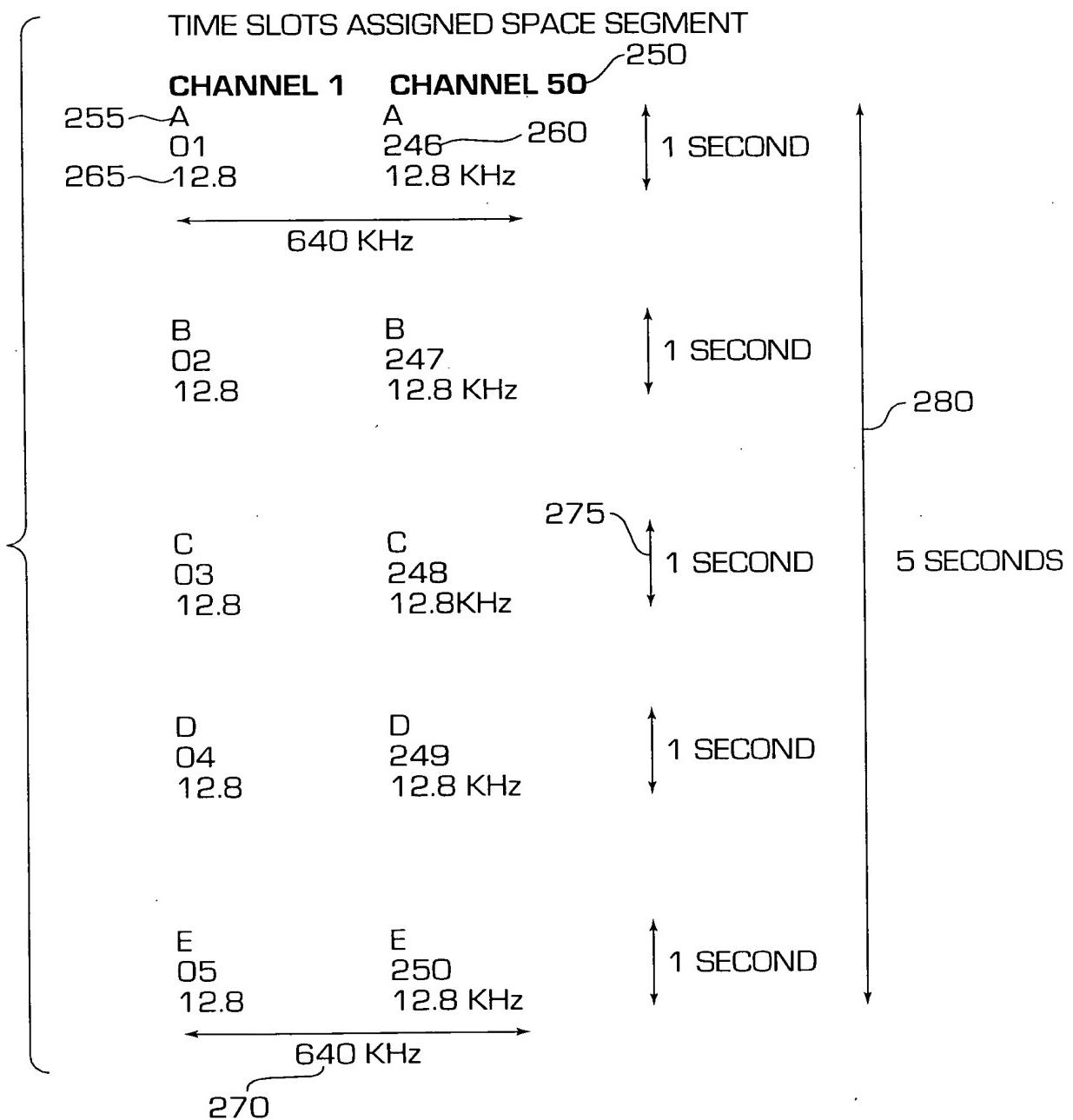


FIG. 8B

A	15	9	DATA TRANSFER BANDWIDTH (FROM CENTRAL)								9	0				
	A	A	NE	E	CHANNEL	AN	E	E	E	N	AN	H	A	N	C	E
3		10				XX				384 =		3				
3		5				XX				768 =		7				
3		2				XX				T1 =		1				
										NOT ACTIVE =		0				
A	16	10	DATA TRANSFER TYPE (FROM CENTRAL)								10	0				
	A	A	E		C	E				EXAMPLE 1111133333 =						
	IP				1					QTY 5 IP'S AND QTY 5 H323'S						
	H323				3											
A	17	5	DATA TRANSFER TYPE (FROM CENTRAL)								5	0				
	A	A	E		C	E				EXAMPLE 11333 =						
	IP				1					QTY 2 IP'S AND QTY 3 H323'S						
	H323				3											
A	18	2	DATA TRANSFER TYPE (FROM CENTRAL)								2	0				
	A	A	E		C	E				EXAMPLE 33 =						
	IP				1					QTY 2 H323'S						
	H323				3											
A	19	8	SLOT TRANSFER TIME ASSIGNED								8	0				
A	20	8	SLOT FREQUENCY ASSIGNED								8	0				
A	21	8	SLOT TRANSFER TIME NOT ASSIGNED - OVERFLOW								8	0				
A	22	8	SLOT FREQUENCY NOT ASSIGNED - OVERFLOW								8	0				
A	23	16	TRANSCEIVER FREQUENCY SET FROM CENTRAL								16	0				
A	24	8	TRANSCEIVER POWER LEVEL SET FROM CENTRAL								8	0				
A	25	1	STATUS OF PREVIOUS TRANSMISSION GOOD G OR RETRANSMIT R								1	1				
A	26	1	REQUEST DATA TRANSFERS ONLY TO START (1) REQUEST REAL TIME EVENTS ONLY TO START (2) REQUEST FOR DATA TRANSFERS AND REAL TIME EVENTS ONLY TO START (3)								1	1				

A graph showing ARI (%) on the y-axis and time (s) on the x-axis. The curve starts at 100%, rises to a sharp peak of approximately 180% at 180 seconds, and then gradually declines.

FIG. 9A

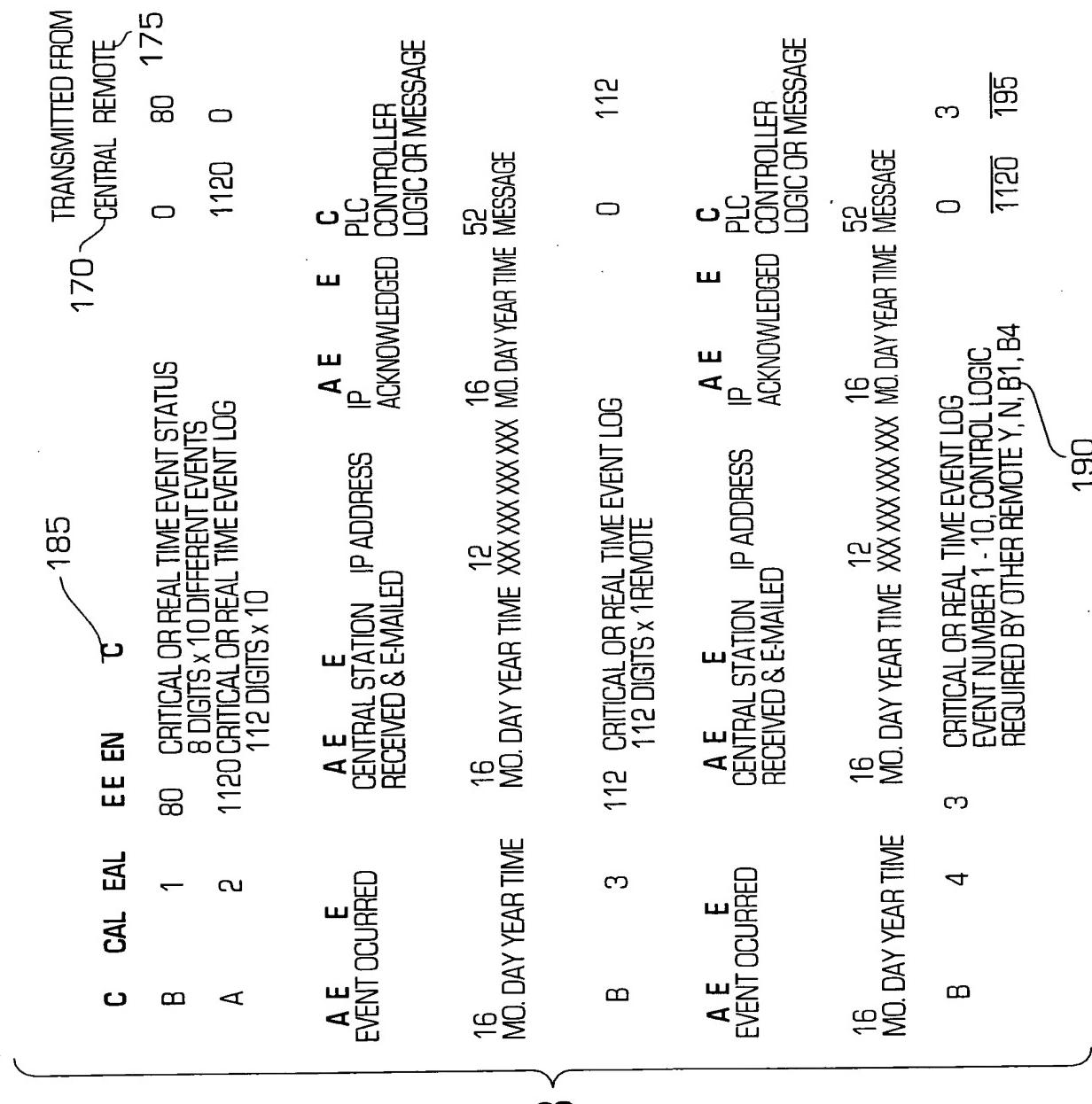
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FIG. 9C

A	A	E	C	N	A	H	195	170	TRANSMITTED FROM
							200		CENTRAL REMOTE
384 KBPS TRANSFER									
C	1	80	TRANSFER FREQUENCY	8 DIGITS EACH x 10			80	0	175
C	2	80	TRANSFER POWER LEVEL	8 DIGITS EACH x 10			80	0	
C	3	80	TRANSFER START TIME	8 DIGITS EACH x 10			80	0	
C	4	80	TRANSFER STOP TIME	8 DIGITS EACH x 10			80	0	
C	5	120	TRANSFER FROM REMOTE STATION ID AND OR				0	120	
			WORKSTATION	12 DIGITS x 10					
C	6	120	TRANSFER TO WORKSTATION	12 DIGITS x 10			120	0	
C	7	120	TRANSFER TO TERMINAL	120 DIGITS x 10			120	0	
C	8	40	TRANSFER TO GROUP	4 DIGITS x 10			0	40	
210						205	—C1 - C8	400	160
786 KBPS TRANSFER									
D	1	40	TRANSFER FREQUENCY	8 DIGITS x 5			40	0	
D	2	40	TRANSFER POWER LEVEL	8 DIGITS x 5			40	0	
D	3	40	TRANSFER START TIME	8 DIGITS x 5			40	0	
D	4	40	TRANSFER STOP TIME	8 DIGITS x 5			40	0	
D	5	60	TRANSFER FROM REMOTE STATION ID AND OR				0	60	
			TERMINAL OR WORKSTATION	12 DIGITS x 5					
D	6	60	TRANSFER TO WORKSTATION	12 DIGITS x 5			60	0	
D	7	60	TRANSFER TO TERMINAL	12 DIGITS x 5			60	0	
D	8	20	TRANSFER TO GROUP	4 DIGITS x 5			0	20	
220						215	—D1 - D7	270	80
1.5 KBPS TRANSFER									
E	1	16	TRANSFER FREQUENCY	8 DIGITS x 2			16	0	
E	2	16	TRANSFER POWER LEVEL	8 DIGITS x 2			16	0	
E	3	16	TRANSFER START TIME	8 DIGITS x 2			16	0	
E	4	16	TRANSFER STOP TIME	8 DIGITS x 2			16	0	
E	5	24	TRANSFER FROM REMOTE STATION ID AND OR				0	24	
			TERMINAL OR WORKSTATION	12 DIGITS x 2					
E	6	24	TRANSFER TO WORKSTATION	12 DIGITS x 2			24	0	
E	7	24	TRANSFER TO TERMINAL	12 DIGITS x 2			24	0	
E	8	8	TRANSFER TO GROUP	4 DIGITS x 2			0	8	
							E1 - E8	112	32
TOTALS A, B, C, D, E									
								2060	602

FIG. 9D

E	N	N	A	E	1	~235
					# OF DIGITS	
CLASS A				3		
CLASS B				3		
CLASS C				3		
IP ADDRESS						
WITHIN CLASS C				3		
			230			
TOTAL				12		
DEFINITION OF GROUP (4 DIGITS) ~ 236						
GROUP 0001 - 9999						

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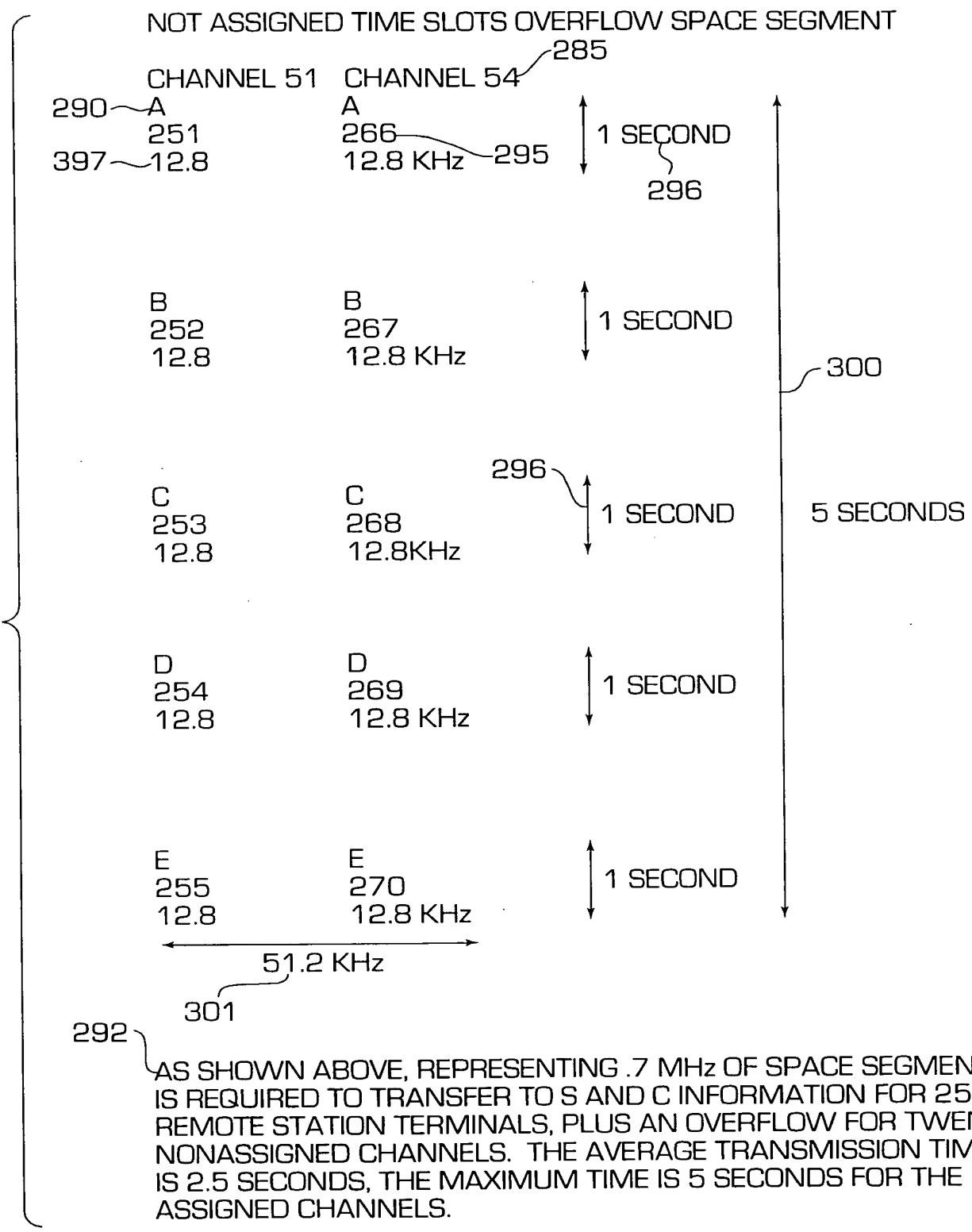
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FIG. 9E



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FIG. 10

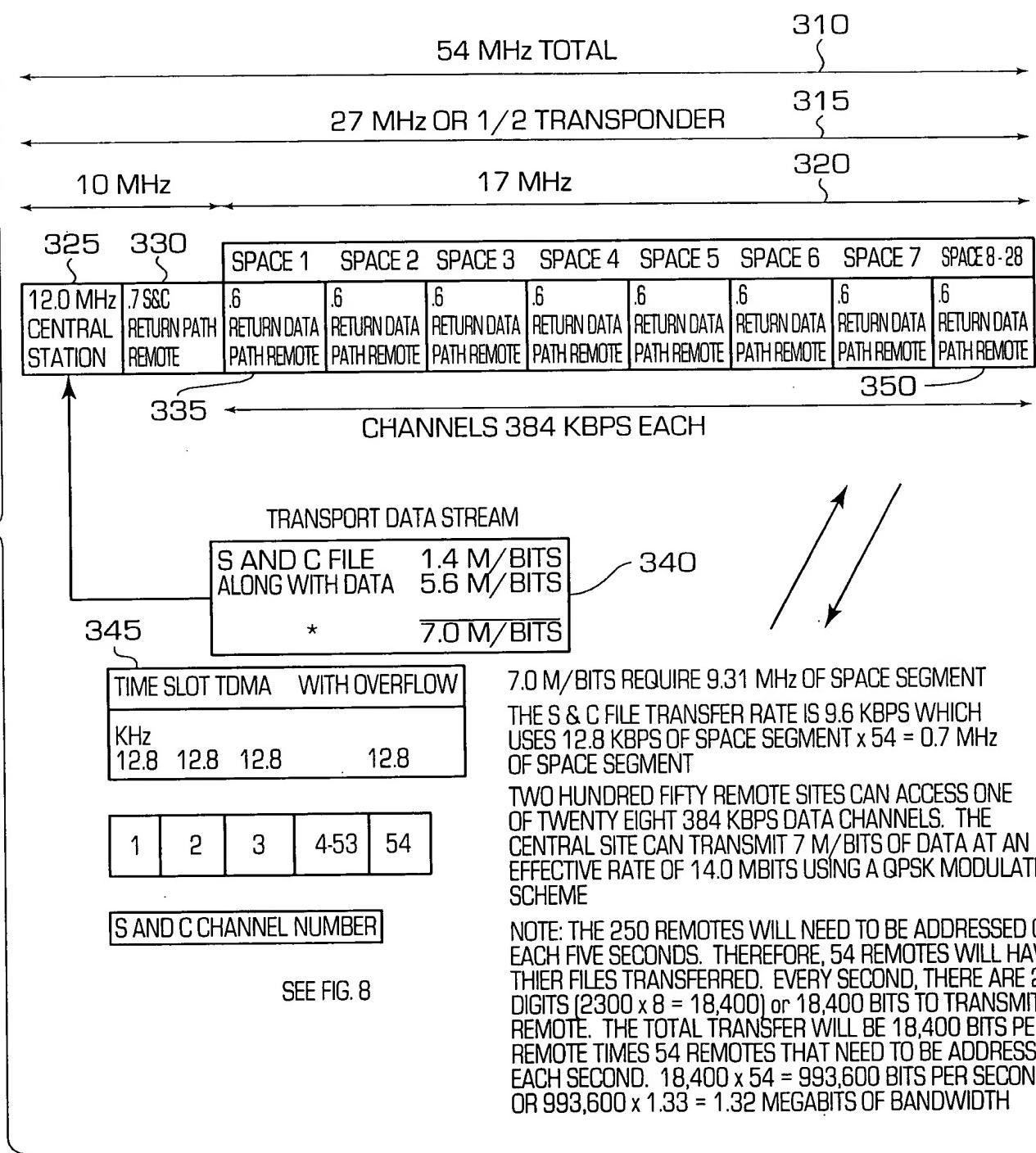
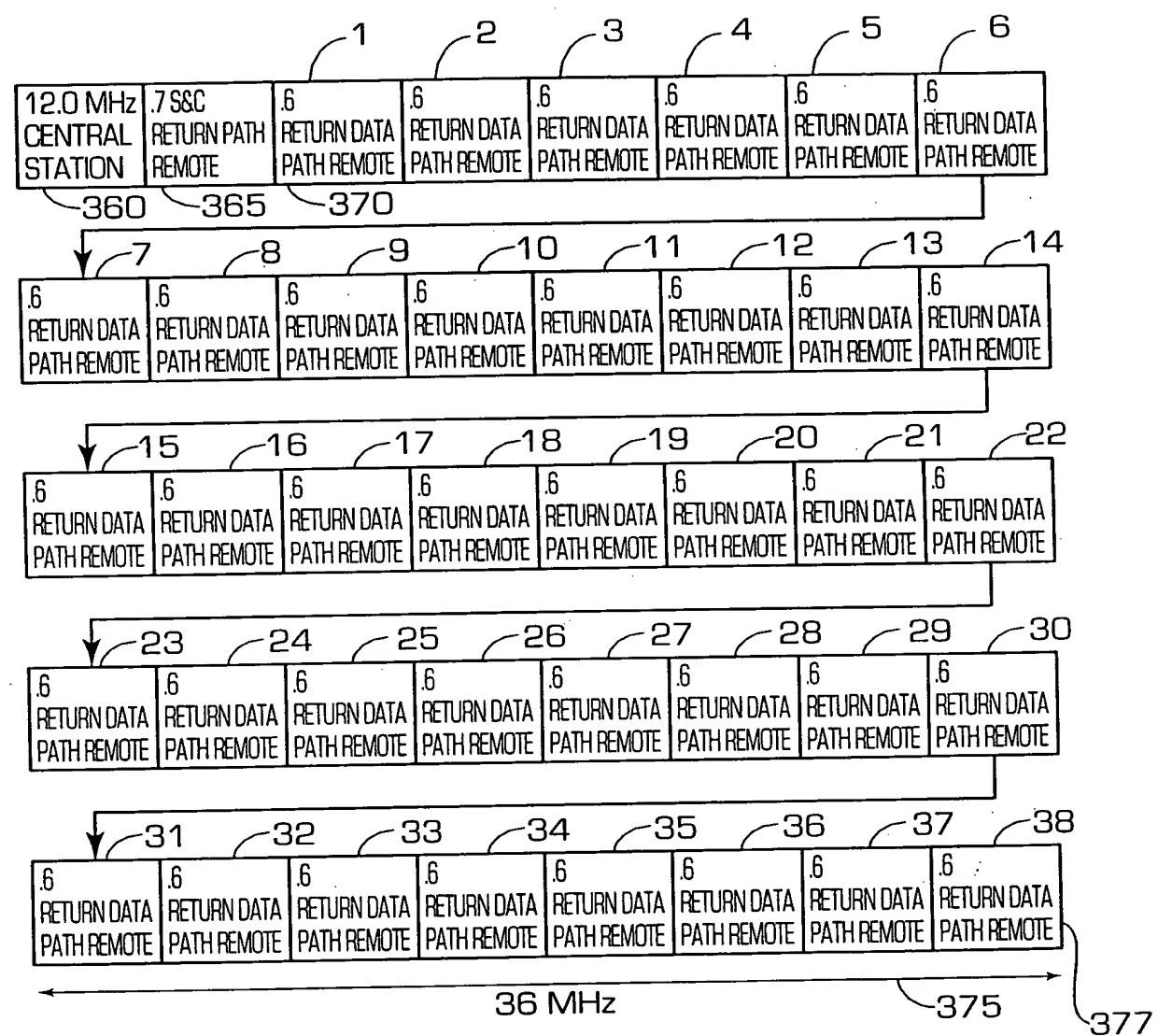


FIG. 11



250 REMOTE SITES CAN ACCESS ONE OF THIRTY-EIGHT 384 KBPS DATA CHANNELS. *THE CENTRAL SITE CAN TRANSMIT 9.0 M/BITS OF **SYNCHRONOUS AND ASYNCHRONOUS DATA WITH AN EFFECTIVE THROUGHPUT RATE OF 18 M/BITS BY USING A QPSK MODULATION SCHEME. THE .7 KBPS OF S & C FILE UPDATE REMOTE INFORMATION (SEE TIME SLOTS IN FIG. 8) WILL USE A BPSK MODULATION SCHEME. **THIS IMPLEMENTATION IS BASED ON SYNCHRONOUS DATA.